



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Here application of:

Brasch *et al.*

Appl. No. 09/695,065

Filed: October 25, 2000

For: **Methods of Manipulating and  
Sequencing Nucleic Acid  
Molecules Using Transposition  
and Recombination**

Confirmation No. 1682

Art Unit: 1634

Examiner: Lu, Frank W.M.

Atty. Docket: 0942.5000001/RWE/BJD/T-M

**Fifth Supplemental Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450  
Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each document is provided.

The numbering on this Fifth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fourth Supplemental Information Disclosure Statement filed October 10, 2003, in connection with the above-captioned application.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior

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art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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FORM PTO-1449

FIFTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0942.5000001/RWE/BJD/T-M

FIRST NAMED INVENTOR  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>116</u>	Kuempel, P., <i>et al.</i> , "Use of a transposon (Tndif) to obtain suppressing and nonsuppressing insertions of the <i>dif</i> resolvase site of <i>Escherichia coli</i> ," <i>Genes Dev.</i> 10:1162-1171, Cold Spring Harbor Laboratory Press (July 1, 1996).
	AS	<u>116</u>	Lee, M.H., <i>et al.</i> , "Site-specific integration of mycobacteriophage L5: Integration-proficient vectors for <i>Mycobacterium smegmatis</i> , <i>Mycobacterium tuberculosis</i> and bacille Calmette-Guérin," <i>Proc. Natl. Acad. Sci. USA</i> 88:3111-3115, National Academy of Sciences (1991).
	AT	<u>116</u>	Manning, P.A., <i>et al.</i> , "Gene Capture in <i>Vibrio cholera</i> ," <i>Trends in Microbiology</i> 7:93-95, Elsevier Science (1999).

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

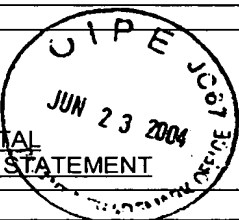
	AR	<u>117</u>	Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccina DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, The American Society for Biochemistry and Molecular Biology, Inc. (1994).
	AS	<u>117</u>	Zechiedrich, E.L., <i>et al.</i> , "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997).
	AT	<u>117</u>	Institut Pasteur Website, Introduction: <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html</a> (accessed 6/19/2003).

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	AR	<u>118</u>	Institut Pasteur Website, Figure 1: <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html</a> (accessed 6/19/2003).
	AS	<u>118</u>	Institut Pasteur Website, Figure 2: <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html</a> (accessed 6/19/2003).
	AT	<u>118</u>	Institut Pasteur Website, Figure 3: <a href="http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html">http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html</a> (accessed 6/19/2003).

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